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Application/Control No.

Reexamination

Applicant(s)/Patent under

10/646,090 Examiner KUGLER ET AL.
Art Unit

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3637

√ Rejected
= Allowed

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Cancelled

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| Cla          | aim                              | Date                                  |          |          |              |                |              |          |          |          |
| Final        | Original                         | 1/5/07                                |          |          |              |                |              |          |          |          |
|              | 1                                | V                                     |          |          |              | <u> </u>       | 1            | T        |          | П        |
|              | 1<br>2<br>3<br>4<br>5            | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |          |          |              |                |              |          |          |          |
|              | 3                                | √                                     |          |          |              |                |              |          |          |          |
|              | 4                                | √                                     | L.       | _        | $oxed{oxed}$ | <u> </u>       | L            | <u> </u> | ļ_       | Ш        |
|              | 5                                | ĺ√                                    | _        |          | _            | <u> </u>       | ↓_           | <u> </u> | ┡        | Щ        |
|              | 6                                | Į√,                                   | ļ        | <u> </u> |              | <del> </del> _ | ▙            | <u> </u> | _        | Ш        |
| <u> </u>     | 7<br>8                           | 1                                     | <u> </u> | ⊢        | ├            | ╀              | ┝            | l-       | ⊢        | ⊢⊢       |
|              | 9                                | 1                                     | $\vdash$ | -        | -            | ⊢              | ⊢            | ├-       | ⊢        | $\vdash$ |
| <del> </del> | 10                               | \<br>./                               |          | ┝        | -            | ┢              | ├            | ⊢        | ├        | $\vdash$ |
| <b>-</b>     | 10<br>11<br>12<br>13<br>14<br>15 | 1/                                    |          | $\vdash$ | -            | H              | ╁            | H        | ⊢        | $\vdash$ |
|              | 12                               | 1                                     |          | ┢        | $\vdash$     | H              | ┢            |          | -        | Н        |
|              | 13                               | Ĭ                                     |          | ┢        | $\vdash$     |                | Ħ            |          |          | Н        |
|              | 14                               | V                                     |          |          |              | -              |              |          |          | П        |
|              | 15                               | V                                     |          |          |              |                |              |          |          | П        |
|              | 16                               | √                                     |          |          |              |                |              |          |          |          |
|              | 17                               | √.                                    |          |          |              |                |              |          |          |          |
|              | 18<br>19                         | ✓                                     |          |          |              |                |              |          |          |          |
|              | 19                               | ✓                                     |          |          |              | _              |              | _        | _        | Ш        |
|              | 20<br>21<br>22                   | √                                     |          |          |              | _              |              | <u> </u> |          | Ш        |
|              | 21                               | -                                     |          |          |              | _              | <u> </u>     |          | <u> </u> | Ш        |
|              | 22                               | -                                     |          | _        |              |                | _            | <u> </u> |          | Ш        |
|              | 23<br>24<br>25<br>26<br>27<br>28 | -                                     |          | _        | _            | <u> </u>       | ļ            | <u> </u> | <u> </u> | Н        |
|              | 25                               | *                                     |          | -        | -            | <del> </del>   | ⊢            | -        | -        | Н        |
|              | 26                               | -                                     | _        | _        | ┢            | ├              | ⊢            | -        | $\vdash$ | H        |
|              | 27                               | $\vdash$                              |          | -        | ┝-:          | ┢              | -            | ۲        | -        | Н        |
|              | 28                               | Н                                     | _        | _        | ┢╌           | -              | H            | -        | ┢        | Н        |
|              | 29                               |                                       | _        |          |              | $\vdash$       | Н            | $\vdash$ | $\vdash$ | H        |
|              | 30                               | М                                     |          |          |              | $\vdash$       |              |          | ┢        | Н        |
|              | 31                               |                                       |          |          |              | $\vdash$       |              |          | <u>├</u> | $\Box$   |
|              | 32<br>33                         |                                       |          |          |              |                |              |          |          |          |
|              | 33                               |                                       |          |          |              |                |              |          |          |          |
|              | 34                               | Ш                                     |          |          | _            |                | _            | _        |          | Ш        |
|              | 35                               | Ш                                     |          |          | <u> </u>     | <u> </u>       |              |          | <u> </u> | Ш        |
|              | 36                               |                                       |          | _        | _            |                |              | _        | _        |          |
|              | 37                               | Н                                     | _        |          | <u> </u>     | _              | -            |          | <u> </u> | Щ        |
|              | 38<br>39                         | Н                                     | _        | _        | <u> </u>     | _              | _            |          | -        | H        |
|              |                                  | Н                                     |          |          | -            | -              | -            | _        |          | H        |
| -            | 40                               | Н                                     |          |          |              | -              | -            |          |          | Н        |
|              | 42                               | Н                                     |          | _        | $\vdash$     | $\vdash$       | $\vdash$     | _        | ┢        | Н        |
|              | 43                               | Н                                     |          |          | H            | H              | <del> </del> | _        |          | Н        |
|              | 44                               | Н                                     |          |          |              |                | Ι            |          | $\vdash$ | Н        |
|              | 45                               | П                                     |          |          | _            |                |              |          | $\vdash$ | Н        |
|              | 46                               |                                       |          |          |              | Г              |              |          |          |          |
|              | 47                               |                                       |          |          |              |                |              |          |          |          |
|              | 48                               |                                       |          |          |              |                |              |          |          |          |
|              | 49                               |                                       |          |          |              |                |              |          |          |          |
|              | 50                               |                                       |          |          |              |                |              |          |          |          |

| Cla  | aim      | Г           |                                     |          |              | Dat      | <u>—</u> |              |          |               |
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|  |          |             | Γ                                   |          |              |          | Ī        |              | Ι.       | Γ             |
| <del> </del>   | Original |             |                                     |          |              |          |          | ĺ            |          |               |
| Final  | ij       | ŀ           |                                     | l        |              |          |          |              | ĺ        |               |
| -  | Õ        | ļ           |                                     |          |              |          |          |              |          |               |
|  | 51       | <del></del> | ┥                                   | ⊢        | ⊢            | ⊢        | ├        | -            | -        | $\vdash$      |
| $\vdash$   | 52       | -           | -                                   | $\vdash$ | ┝            | -        | ⊢        |              | ⊢        | ├-            |
|  | 52       | -           | ⊢                                   | ┢        | H            | H        | ⊢        | -            | -        |               |
|  | 53<br>54 | _           | <del> </del>                        | ⊢        | -            | ⊢        | -        | ⊢            | -        | -             |
| <b> </b>   | 55       | _           | ⊢                                   | ⊢        | -            | <b>-</b> | <u> </u> | H            | $\vdash$ | ├             |
| -  | 22       |             | _                                   | <u> </u> | <del> </del> | ├        |          | _            | _        |               |
|  | 56       | _           | <u> </u>                            | _        | L            |          |          | ļ            | <u> </u> |               |
| -  | 57       | _           | <u> </u>                            | <u> </u> | <u> </u>     | L        |          | _            | <u> </u> | L.,           |
|  | 58       |             | <b>!</b>                            | _        | <u> </u>     |          |          | <u> </u>     | <u> </u> |               |
|  | 59       |             |                                     |          | 匚            |          | _        | 匚            |          |               |
|  | 60       | _           | Ľ                                   |          |              |          | L        |              |          |               |
|  | 61       |             |                                     |          |              | <u> </u> |          |              |          |               |
|  | 61<br>62 |             | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |              |          | L        |              |          |               |
|  | 63       |             |                                     | L        | L            |          |          |              |          |               |
|  | 64       |             |                                     |          |              |          |          |              |          |               |
|  | 64<br>65 |             |                                     |          |              |          |          |              |          |               |
|  | 66       |             |                                     |          | Г            |          |          |              |          |               |
|  | 67       |             | Γ                                   |          |              |          |          | <u> </u>     |          |               |
|  | 68       |             |                                     |          |              |          |          |              |          |               |
|  | 69       |             | Г                                   | ┢        |              |          | _        | $\vdash$     |          |               |
|  | 70       |             |                                     |          |              |          |          | H            |          |               |
|  | 71       |             | _                                   |          |              |          |          | $\vdash$     |          |               |
|  | 72<br>73 |             |                                     |          |              | -        |          | <del> </del> |          | -             |
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|  | 74       |             | _                                   | -        |              |          |          | $\vdash$     |          |               |
| +  | 75       |             |                                     | $\vdash$ |              |          | _        | <u> </u>     | _        |               |
| <b>-</b>   | 76       |             |                                     | $\vdash$ |              |          | $\vdash$ |              | Н        |               |
|  | 77       |             |                                     | $\vdash$ |              | -        | _        | $\vdash$     | _        | _             |
|  | 70       |             |                                     |          | _            | _        | _        | -            |          |               |
|  | 78<br>79 |             |                                     | $\vdash$ |              |          |          | <u> </u>     | _        | _             |
| $\vdash$   | 79       | _           |                                     | $\vdash$ |              | _        | _        | <u> </u>     | -        | _             |
|  | 80       | _           |                                     |          | _            |          | <u> </u> |              |          | _             |
| -  | 81       |             |                                     |          |              | _        | _        |              |          | Щ             |
|  | 82       |             | <u> </u>                            | Ш        | <u> </u>     | _        | <u> </u> | <u> </u>     |          | Ш             |
|  | 83       |             | L                                   | <u> </u> | Щ            |          |          | <u> </u>     | L_       | $\sqsubseteq$ |
| $\square$  | 84       |             | <u> </u>                            | Ш        | $\vdash$     |          | _        | ļ            |          | <u> </u>      |
| $\vdash$   | 85       |             | <u> </u>                            | L.,      | Щ            |          | _        | L            | Ш        | L             |
|  | 86       |             | L.,                                 | Ш        | Щ.           |          |          | _            | <u> </u> | Щ             |
| $\square$  | 87       |             | <u> </u>                            | Ш        | Ш            | Щ.       |          | Щ            | L_       | Ш             |
| <u>  -     -  </u> | 88       |             | <u> </u>                            | Ш        |              |          | أبسا     | L            |          |               |
|  | 89       |             |                                     |          |              |          |          |              | L]       |               |
|  | 90       |             |                                     |          |              |          | آك       |              |          |               |
|  | 91       |             |                                     |          |              |          |          |              |          |               |
|  | 92       |             |                                     |          |              |          |          |              |          |               |
|  | 93       |             |                                     |          |              |          |          |              |          |               |
|  | 94       |             |                                     |          |              |          |          |              |          |               |
|  | 95       |             |                                     |          |              |          |          |              |          |               |
|  | 96       |             |                                     |          |              |          |          |              |          |               |
|  | 97       |             |                                     |          |              |          |          |              |          |               |
|  | 98       |             |                                     |          |              |          |          | П            |          | $\neg$        |
|  | 99       | `           |                                     |          |              |          |          |              |          |               |
|  | 100      | $\neg$      |                                     |          |              |          |          |              |          | $\vdash$      |
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| Cla      | aim               | Date     |            |  |                |  |     |          |              |                 |
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|          |                   |          |            |  |                |  |     |          |              | П               |
| Final    | Original          |          |            |  |                |  |     |          | !            |                 |
|          | 101<br>102        |          |            |  |                | Г  |     |          |              |                 |
|          | 102               |          |            |  |                |  |     |          |              |                 |
|          | 103               |          |            |  |                |  |     |          |              |                 |
|          | 104<br>105        |          | L.         | _  | _              | L  | _   | <u> </u> | ╙            | Ш               |
| <u> </u> | 105               | <u> </u> | _          | $ldsymbol{ldsymbol{\sqcup}}$                     |                |  | ļ   | <u> </u> | _            | Ш               |
|          | 106               |          | <u> </u>   | ⊢  | _              | <u> </u>   | _   | _        | <u> </u>     | Н               |
|          | 107<br>108        | ⊢        | ⊢          | ├  | ⊢              | ⊢  | ⊢   |          | _            | Н               |
|          | 109               | -        | ⊢          | -  | ⊢              | -  | ├—  | -        | -            | H               |
| -        | 110               | ⊢        | ├-         | ┢  | ┝              | -  | H   | $\vdash$ | $\vdash$     | $\vdash$        |
|          | 111               | $\vdash$ | $\vdash$   | -  | <del>  -</del> | H  |     | ┝╌       | _            | $\vdash$        |
|          | 112               | $\vdash$ | _          | $\vdash$   | $\vdash$       | <del>                                     </del> |     | -        | $\vdash$     | H               |
|          | 113               |          | $\vdash$   |  |                | $\vdash$   | Г   | Г        |              | П               |
|          | 112<br>113<br>114 |          |            |  |                |  |     |          |              |                 |
|          | 115               |          |            |  |                |  |     |          |              |                 |
|          | 116               | L_       |            |  |                |  |     |          |              |                 |
|          | 117               | _        |            |  |                | ·  | L   |          |              |                 |
|          | 118               |          | _          |  |                | <u> </u>   | _   |          | _            |                 |
|          | 119<br>120        | <u> </u> |            |  | _              | _  |     | <u> </u> | <u> </u>     | Ш               |
|          | 120               | ├─       | ⊢          | -  | ┝              | -  | -   | <u> </u> | -            | $\vdash$        |
|          | 121<br>122        | ├        | -          |  | -              | -  | -   | -        | <del> </del> | Н               |
|          | 123               | -        | -          | ┝  | -              | ├  |     | -        | ├            | Н               |
|          | 123<br>124<br>125 | ├        | $\vdash$   | ┢  | -              |  |     | $\vdash$ | _            | Н               |
|          | 125               | ┢──      | $\vdash$   |  |                | $\vdash$   |     | $\vdash$ | -            | H               |
|          | 126               |          | $\vdash$   | $\vdash$   | $\vdash$       |  | _   |          | _            | H               |
|          | 127               |          |            |  |                |  |     |          |              | П               |
|          | 126<br>127<br>128 |          |            |  |                |  |     |          |              |                 |
|          | 129<br>130        |          |            |  |                |  |     |          |              |                 |
|          | 130               |          |            |  |                |  |     |          |              |                 |
|          | 131               |          | _          | <u> </u>   | _              |  | ļ., |          |              | Щ               |
|          | 132<br>133        | <u> </u> | <u> </u>   | <u> </u>   | <u> </u>       | $\vdash$   | _   | <u> </u> | <u> </u>     | $\sqcup$        |
|          | 133               | <u> </u> | <u> </u>   | <u> </u>   | <b> </b>       | <u> </u>   |     | ,        | _            | <u> </u>        |
|          | 135               | -        | $\vdash$   | $\vdash$   |                | -  | _   | <u> </u> | H            | $\vdash \vdash$ |
|          | 136               | $\vdash$ | $\vdash$   | -  | -              | $\vdash$   | —   |          | $\vdash$     | $\vdash \vdash$ |
|          | 137               | $\vdash$ |            | <del>                                     </del> |                | $\vdash$   |     | H        | ⊢            | -               |
|          | 137<br>138        |          | Н          | $\vdash$   |                | Н  |     | Н        | H            | $\vdash$        |
|          | 139               |          | Т          | <del></del>                                      | $\vdash$       |  |     |          | F            | $\Box$          |
|          | 140               |          |            |  |                |  |     |          |              |                 |
|          | 141               |          |            |  |                |  |     |          |              |                 |
|          | 142               |          |            |  |                |  |     |          |              |                 |
|          | 143               | L_       |            | Ш  |                | Ш  |     | oxdot    |              |                 |
|          | 144               | ļ        | lacksquare | L  | <u> </u>       |  |     |          | L.,          | Щ               |
|          | 145               | _        | <u> </u>   | _  | L.,            |  |     |          | _            | Ш               |
| · ·      | 146               | Ŀ        | ļ          | -  | <b> </b>       | Ė  | _   | <u> </u> | <u> </u>     | Ш               |
|          | 147<br>148        | $\vdash$ | <u> </u>   | $\vdash$   | $\vdash$       | $\vdash$   |     |          | -            | $\vdash \vdash$ |
| -        | 149               | -        | Н          | $\vdash$   |                | Н  | _   | -        | <u> </u>     | Н               |
|          | 150               | $\vdash$ |            | H  | H              | $\vdash$   |     | $\vdash$ | -            | Н               |
| 1        | 130               |          | <u> </u>   | لبل  |                |  |     |          | L            |                 |